

ABSTRACT OF THE DISCLOSURE

When recording and reproduction are performed at the same time, if a system controller detects that an amount of data accumulated in a buffer memory exceeds a predetermined value, the system controller stops data reading from an optical disk temporarily and records data accumulated in the buffer memory continuously to the optical disk. Then, an image is prevented from becoming abnormal when a reproduction position catches up to a recording position. Further, a system controller monitors a zone in an optical disk, to which recording is performed and controls a motor at an appropriate revolution number for the recording to the zone. Further, reproduction is performed by maintaining the revolution number. Then, even if the recording position and the reproduction position belong to different zones in a recording medium, a transition time from recording to reproduction is prevented from becoming long.